

Appl. No. : Unknown
Filed : Herewith

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An A dental implant ~~(4) intended to be fitted in for insertion into~~ a hole (5) formed in a jaw bone (1), and the dental implant comprising: ~~and/or assigned~~

a body that includes an a first outer surface (9) which can that is configured to interact with the soft tissue (connective tissue) of the jaw bone and which can be placed at the mouth (6) of the hole, wherein echaracterized in that the first outer surface is completely or partially designed or coated with comprises a one or more porous outer layer layers (10) configured intended, on the one hand, to promote integration between the outer surface and the soft tissue[[,]] and[[,]] on the other hand, to counteract penetration of organisms or bacteria that cause inflammation, so as to ensure continued and substantial integration.

2. (Currently amended) The dental implant as elaimed in patent claim 1, wherein echaracterized in that the porous outer layer (10) is arranged with includes pores having mean diameters (d) of ea. less than or equal to about 1 μ m or less.

3. (Currently amended) The dental implant as elaimed in patent claim 1 or 2, wherein echaracterized in that the porous outer layer (10) has a thickness (D) of less than or equal to at most 5 μ m, for example a thickness of 3 μ m.

4. (Currently amended) The dental implant as elaimed in patent claim 1, 2 or 3, further comprising a echaracterized in that in addition to said surface (9), here called the first surface, which the implant comprises and/or is assigned, said implant has one or more other second outer surface surfaces which are provided with a porosity (7) that is coarser than the porosity of the first outer surface, and in that the porosity of the first surface is reduced in relation to the coarser porosity and is chosen in the range of 30-40% thereof.

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5. (Currently amended) The dental implant as claimed in claim 1, wherein the dental implant includes an upper implant part which comprises up to 1/3/ the total length of the dental implant and the ~~any of the preceding patent claims, characterized in that the first outer surface (9) covers substantially all the a very large area on an upper implant part, which is up to 1/3 of the total length of the implant.~~

6. (Currently amended) The dental implant as claimed in claim 1, wherein any of the preceding patent claims, characterized in that the first outer surface (9) is at least completely or partially situated on a part which can be applied to the implant or which is produced in one piece with the implant, for example an attachment component (6a), spacer sleeve, etc.

7. (Currently amended) The dental implant as claimed in claim 1, wherein any of the preceding patent claims, characterized in that the dental implant is configured can be arranged in the bone tissue in such a way that the height of the soft tissue above the bone margin is between about is 1.2-2.0 mm, preferably 1.5-1. 8 mm, so that there will be remaining integration between the first surface (9) and the soft tissue (2), and exposure of the underlying implant sleeve is avoided.

8. (Currently amended) The dental implant as claimed in claim 1, wherein any of the preceding patent claims, characterized in that, at it's the dental implant includes an upper/outer portion, it supports interacts with inner and outer parts (6a, 6b), and wherein where the inner part supports the first outer surface (9) with the porous outer layer or layers (10), and the outer part (6b) can be temporarily removed during fitting of the dental implant.

9. (Currently amended) The dental implant as claimed in claim 1, wherein any of the preceding patent claims, characterized in that the porous outer layer (10) of the first surface (9) is based on anodic oxidation.

10. (Currently amended) The dental implant as claimed in claim 1, wherein the porous layer is configured to allow any of the preceding patent claims, characterized in that, by means of the porous layer on the first surface (9), it entails only limited outer bone or tissue absorption at the mouth (5a) of the hole.

11. (New) The dental implant as in claim 4, wherein the porosity of the outer surface is 30% to 40% of the porosity of the second outer surface.

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12. (New) The implant as in claim 6, wherein the first outer surface is at least partially situated on a part which is integrally formed with the rest of the implant.

13. (New) The dental implant as in claim 7, wherein the dental implant is configured such that the height of the soft tissue above the bone margin is between about 1.5-1.8 mm.